

Date: Thu, 25 Nov 93 04:30:27 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #112
To: Ham-Equip

Ham-Equip Digest Thu, 25 Nov 93 Volume 93 : Issue 112

Today's Topics:

Azden HTs
Can modified DJ-580 do crossband repeat?
Heath AM2 SWR Bridge Manual
icom 2SAT internal battery
Indestructable HTs?
Mods for Kenwood T-50S
Police BBS
RTTY on the PC
SSB VHF/UHF portable equipment info needed??
Tube Tester Manual

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 24 Nov 93 17:18:07 GMT
From: ogicse!uwm.edu!spool.mu.edu!mixcom.com!kevin.jessup@network.ucsd.edu
Subject: Azden HTs
To: ham-equip@ucsd.edu

Speaking of tough HTs, does anyone out there own any
by Azden? I'm considering the AZ-21A 2-meter unit.

They claim mil-spec (MIL-STD-810) reliability.

I also understand it has wide band receive.
So how bad is the intermod? Thanks.

```
--
/'-_      kevin.jessup@mixcom.com | The US Constitution defines the
{      }/ Marquette Electronics, Inc | "rights" the people give to the
\      / Milwaukee, Wisconsin, USA | government, not the reverse!
|_*| N9SQB, ARRL, Amateur Radio |
```

Date: 23 Nov 1993 13:27:00 GMT
From: ipxpress.aws.waii.com!ep130.wg2.waii.com!ep130.wg2.waii.com!mjg@uunet.uu.net
Subject: Can modified DJ-580 do crossband repeat?
To: ham-equip@ucsd.edu

In article <CGr0oq.86v@rnivh.rni.sub.org>, torsten@rnivh.rni.sub.org (Torsten Leibold) writes:

```
|> dbraun@ilx049.intel.com (Doug Braun) writes:  
|>  
|> >I have an Alinco DJ-580, and right after I got it,  
|> >I did the two "standard" modifications, for airband/800MHZ  
|> >and extended Tx/Rx. (Note that here in Region 1, you have to do  
|> [...]  
|> >So I am wondering: Does enabling extended Tx/Rx or airband have  
|> >the side effect of disabling crossband repeat? Does the  
|> >crossband repeat EVER work as documented? BTW, the radio's  
|> >serial number is 19792.  
|>  
|> Please POST the answer. I'm interested in it, too !  
|>  
|> tnx in advance.  
|>  
|> --  
|> 0 / Torsten Leibold  
|> -+== | _\_\_o____/_| Konrad-Adenauer-Allee 105  
|> / \ <[_\_\_--< 68519 Viernheim, Germany  
|> | o' ...!subnet.sub.net!rnihd!rnivh!torsten
```

Yes it can, nad does it fairly well

KB5T0J Mike

Date: Tue, 23 Nov 93 15:31:19 GMT
From: mnemosyne.cs.du.edu!nyx10!jgonzale@uunet.uu.net
Subject: Heath AM2 SWR Bridge Manual
To: ham-equip@ucsd.edu

Greetings, this is a message being posted for a friend

of mine; please direct any replies to:

a10rxw1@hayek.cob.niu.edu

Thanks.

I picked up an SWR meter at a hamfest but don't know how to read it. It is a Heath AM2 SWR Bridge for HF Bands. Any information about the quality of the unit, how to use it, or a manual you don't need anymore (maybe a copy) would be appreciated.

Thanks in advance.

73 de KF9QQ
-Rich-

Date: 20 Nov 1993 15:35:33 -0500
From: digex.net!rtp.vnet.net!char.vnet.net!not-for-mail@uunet.uu.net
Subject: icom 2SAT internal battery
To: ham-equip@ucsd.edu

Is the internal battery in the Icom IC-2SAT user replacable or must it be done by a factory repair center? If it can be done by me, where can I get one? I apparently ruined this one running it on the cigarette lighter in my car. How can I run external power and not destroy the "charge memory" of the internal battery" Any help greatly appreciated.

Jim Waldrep
N4YTK
jwaldrep@char.vnet.net

Date: Wed, 24 Nov 1993 19:17:52 GMT
From: newshub.nosc.mil!crash!ipars!scotto@network.ucsd.edu
Subject: Indestructable HTs?
To: ham-equip@ucsd.edu

WB4YUC (burke_br@adcae1.comm.mot.com) wrote:

: There is such an HT, but you probably can't afford it.

I could, and did.

: It would be Motorola's Ruggedized Saber line.

: Probably about \$3000.00 or so.....

It's less than that if you don't buy all the accessories and/or programming cables/software. The radio itself is around \$1800 for a hi-power Saber III. At least that's what I paid directly from Motorola.

It's a nice radio. I own a hi-band III and have a county issued uhf II. The II is an early Saber and has a lot of problems. The III with a newer processor and software is much better.

As far as ruggedized, I think other Motorola HT's are better. Our department has a lot of MT1000's that appear (case wise) to withstand a lot more. The Saber line seems to be a much thinner-wall case material.

: BTW - Most of the Motorola HT's will survive about everything you described
: with the exception of submersion.

And they even have submersible models! (at least for the Saber)

--

Scott O'Connell - N6ZEK
Spectrum Data Services
Carlsbad, CA

UUCP: {nosc, ucsd}!crash!ipars!scotto
ARPA: crash!ipars!scotto@nosc.mil
INET: scotto@ipars.sds.com

Date: Sun, 21 Nov 93 22:18:53 EST
From: noc.near.net!news.delphi.com!usenet@uunet.uu.net
Subject: Mods for Kenwood T-50S
To: ham-equip@ucsd.edu

Jim, I have this mod file for the Kenwood TS-50, for all-band transmit.
I hope it works....73/Leigh/KM6JE in Santa Barbara.

==== BOYAN Log to Disk, 08/04/93 at 05:15 ====
From: KA4RKT@WB4TTZr MARS mod for TM942. --Leigh Marrin/KM6JE.
Subject: TX Coverage mod TS-50

Hi folks,

I just got a spanking new Kenwood TS-50S, and boy is it a beauty!
Even fits under the dash of my compact car...

Searching around the local LLBBS's I found a very simple mod for
full transmit from 1.7 - 30 mhz....

Remove the bottom cover of the TS-50

Locate the PLL board -- it is the pc board on top of the main board,
it has a shield on it's right side.

Locate the only non-surface mounted component on the PLL board --
look near the rear left-hand side of the pll board
(front of radio facing you) and remove the very
obvious diode. You can't miss, there's only one.

Replace cover.

Perform microprocessor reset as described in your manual.

Please -- This mod for use only by persons authorized to use those
frequencies outside of the ham bands - such as MARS, CAP
and such. This radio is not type accepted for commercial
use outside of the ham bands....

Tom/KA4RKT @ WB4TTZ-1
From: KK6AN@W6PW
Subject: TS-50S MARS TX

Remove bottom cover, cut glass diode D5 near dilithium battery, reset CPU.

eof

Date: Fri, 19 Nov 1993 10:57:12 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate@apple.com!amd!netcomsv!netcom.com!
kevincur@network.ucsd.edu
Subject: Police BBS
To: ham-equip@ucsd.edu

Large selection of file areas...Crime Prevention Information,
Ham Radio, Law Enforcement and General Software. Many Door
areas are available-Try them--they are entertaining & Fun!!
C.O.P.S BBS is available 24 hours a day, 7-days a week.
8-N-1 supports up to 14.4 baud rate.
Thousands of CD-ROM files on-line!!!

Check It Out TODAY! ! !

C.O.P.S. B B S
San Jose, CA
U.S.A
(408) 996-7790

:

:

Tell them Kevin sent you!!

--

Kevin Curry
P.O. Box 7083
Fremont, CA 94537-7083
E-Mail - kevincur@netcom.com
Never insult seven men, when all you're packin' is a six gun - Zane Gray

Date: 23 Nov 93 20:09:40 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!howland.reston.ans.net!cs.utexas.edu!not-
for-mail@network.ucsd.edu
Subject: RTTY on the PC
To: ham-equip@ucsd.edu

Thanks for all your help with my querie!

I have had a load of replys already and I have decided to try out the
HamComm/JVFAX . So many people recommended this program/interface that I was
forced to wonder if there was some sort of commision involved ;)

I am always open to new ideas/suggestions (by email only as I still can't
read this newsgroup).

Once again thanks for all your help!

Regards,

Jason

Date: 24 Nov 93 04:10:21 GMT
From: ogicse!emory!europa.eng.gtefsd.com!howland.reston.ans.net!noc.near.net!
news.delphi.com!usenet@network.ucsd.edu
Subject: SSB VHF/UHF portable equipment info needed??
To: ham-equip@ucsd.edu

Napoleon, I believe the only Ham VHF/UHF SSB portable/battery powered gear currently available is made by Yaesu. Check out catalog specs and prices for the FT-690, FT-290, etc.

If you look long and hard, you might be able to find the older Icom 202, 402 and 502 2 watt QRP rigs, which can be found used for around 200 dollars. The six meter version is a little drifty, but the 2 meter and 70 cm models are stable, and all three have good receivers. (They are SSB and CW-- no FM mode.)

Good luck! VHF "hilltopping" is a lot of fun. --Leigh/KM6JE.

Date: 24 Nov 93 18:42:52 GMT
From: ogicse!uwm.edu!rpi!newsserver.pixel.kodak.com!kodak!eastman!
anvil.kodak.com@network.ucsd.edu
Subject: Tube Tester Manual
To: ham-equip@ucsd.edu

I have managed to loose the manual that goes with my "Electronic Measurements Corp", Model 215,
tube tester. Does anyone out there in the world have one that I could copy or that could send me a copy ?
I hate to borrow my friends tester.

Kodak ** Kodak ** Kodak ** Kodak ** Kodak ** Kodak ** Kodak ** Kodak ** Kodak ** Kodak
** Richard Repka, Eastman Kodak Company, Replies:--> rhr@anvil.Kodak.COM <--
** Software Engineer, Office Imaging Div.
Kodak ***** All opinions are my own and not those of my employer... ***** Kodak

Date: 24 Nov 93 03:15:07 GMT
From: ogicse!uwm.edu!spool.mu.edu!mixcom.com!kevin.jessup@network.ucsd.edu
To: ham-equip@ucsd.edu

References <1993Nov22.163942.23514@ke4zv.atl.ga.us>, <2cr82m\$etu@oak.oakland.edu>,
<gtaylor.264.754008090@taex003n.tamu.edu>
Subject : Re: Best 2m handheld?

In <gtaylor.264.754008090@taex003n.tamu.edu> gtaylor@taex003n.tamu.edu (Gregory S. Taylor) writes:

>Didn't QST do a comparison of 2m handhelds awhile back?

Yes. I believe it was the October 1992 issue. About 7 or 8 different models.

--

```
/'- _      kevin.jessup@mixcom.com | The US Constitution defines the
{      }/ Marquette Electronics, Inc | "rights" the people give to the
\      / Milwaukee, Wisconsin, USA | government, not the reverse!
|__*| N9SQB, ARRL, Amateur Radio |
```

Date: 23 Nov 1993 17:28:29 GMT

From: pa.dec.com!nntpd.lkg.dec.com!smaug.enet.dec.com!legerlotz@decwrl.dec.com

To: ham-equip@ucsd.edu

References <CGwq6n.JBo@alsys.com>, <931122.81078.LMARRIN@delphi.com>,
<2cte8a\$9de@tymix.Tymnet.COM>

Reply-To : legerlotz@smaug.enet.dec.com ()

Subject : Re: Problems with Kenwood TM-742A

```
||> While I don't own a Kenwood 742A, I do own a Kenwood 231A 2 meter mobile
||> rig that has a CPU that sometimes goes a little wacko. After several
||> months of perfect service, suddenly something strange will happen;
||> I'll be unable to transmit above 146 mhz, or recieve beneath 144 mhz, or
||> the "reverse" button won't work.
||>
||> THE FIX: I've found that if I turn the radio off, press the VFO button
||> and then turn it on while holding the VFO button, the CPU problem is fixed!
||> The memories do NOT erase.
||
||My Kenwood TM-741A likewise starts acting oddly, and is fixed this way.
||I think this is called a "VFO Reset". It does erase the VFO frequency
||setting, changing it to the default value, and putting various options
||back to their default values, too. It isn't obvious to me that some of
||these options should be VFO attributes, but they are. For example, there
||is a demo mode that plays a fanfare and shows "enjoy your hobby" on the
||display ... while the radio is still operable if you can ignore the
||distraction!! VFO Reset clears that, and is the ONLY WAY to clear it.
||
||So check the 742 manual for the various Resets; I suppose they dreamed
||up a few more since the 741.
```

When the radio locks up from the S-meter squelch mode, you can't do anything with the buttons. You have no control over the radio. Disconnecting power and reconnecting has no impact, either.

Still waiting for information from Kenwood. It still really amazes me that they haven't tested this radio (and its various Rev chips) more and then expect people to shell out \$700 for the base radio.

Fool me once, shame on you, Fool me twice, shame on me. I'll bet that kenwood is going to lose some long time customers on this deal. Perhaps they'll learn from the mistake. I know that I have.

n1ihu

--

These comments are my own and do not necessarily reflect the opinions of Digital Equipment Corporation.

Date: Fri, 19 Nov 1993 12:20:10 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!news.iastate.edu!jdwhite@network.ucsd.edu
To: ham-equip@ucsd.edu

References <CFo2pq.IHo@news.iastate.edu>, <CFoJ0J.973@alsys.com>,
<CGpqKs.Gwr@alsys.com>.ed
Subject : Re: Problems with Kenwood TM-742A

In article <CGpqKs.Gwr@alsys.com> garym@alsys.com (Gary Morris @ignite) writes:
>In <CFoJ0J.973@alsys.com> garym@alsys.com (Gary Morris @ignite) writes:
>>The first 742A I received from HRO had problems with setting CTCSS tones,
>>...

>
>>My 742A got into this mode after I tried to turn on the S-meter squelch mode.
>>HRO swapped it for another unit and it works, but I'm afraid to try S-meter
>>squelch again right now...

>
>Well, after 3 weeks of perfect operation with my third 742A, I decided to
>try the S-meter squelch mode again. Worked great for about 10 minutes, then
>the display froze up and it shut off just like the second radio I had. Now
>when powered up, it displays -on- for a few seconds and shuts down. The key
>sequence for resetting the cpu doesn't help. So it's back to HRO again.
>I'm getting really tired of this.

^^

Damn straight!

I bought my unit from Radio City and after experiencing the first lockup like you described above I drove 3.5 hours to take it back to them in person. There was no way I was going to wait while they sent the radio back to Kenwood for repair. I had only used the radio for 3 hours before it went schizo and I was rather upset. The techs and Radio City and I figured it was a problem

with the 3rd band unit I installed, so it went back to Kenwood. They swapped me a new radio and I went happily along my way. I had problems with various squelch modes as well. The microprocessor squelch was useless. I kept having to reset it all the time and when you're mobile you don't have time to be messing with crap like this. S-meter squelch was the only squelch mode I could tolerate. I called Radio City to complain and got the standard "new radio, may have glitches" and the "such a wide front end it's bound to have some selectivity problems" excuses. Fine. I continued to use this radio for about 3 more weeks and finally decided that I was never going to be happy with this rig and even though I was looking at a restocking fee in the range of \$100-\$200 dollars, I decided it was worth it in the name of happiness. I packed it up and drive another 3.5 hours up to visit them. When all was said and done I was told that tentatively they were not going to charge me a restocking fee! I guess they finally got enough complaints from other users and decided that it wasn't fair or something. They told me that they were going to have some big tele-conference with kenwood in about a 1/2 hour and that I could call him when I got back home to verify that they were not going to charge me a restocking fee on the unit. I called when I got back home and verified that they were **not** going to charge me a restocking fee. I was overjoyed, to say the least.

I went and bought a Yaesu 5200 and am quite happy with it. The 742A would have been a great rig if it had worked. For \$1100 a unit had damn well better perform flawlessly! Radio City told me that Kenwood was sending out ICs to their distributors as a sort of maintenance upgrade. I'd be very interested to hear what problems this is supposed to cure and what problems it actually **does** cure.

My advice: ditch the 742A, and if you must buy Kenwood get a 741. If not, check out the Yaesu 5100 and 5200. I know of several people who have them and I don't hear them bitchin'. :)

-Jason

--

Jason D. White
jdwhite@iastate.edu
Iowa State University
Ames, Iowa

Durham Center Operations Staff
Repeater Chairman, Cyclone Amateur Radio Club
Packet: n0rww @ ki0q.ia.usa.na

Date: 23 Nov 1993 17:49:36 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!col.hp.com!jms@network.ucsd.edu
To: ham-equip@ucsd.edu

References <931122.81078.LMARRIN@delphi.com>, <2cte8a\$9de@tymix.Tymnet.COM>, <2cth7t\$9j@nntpd.lkg.dec.com>

Subject : Re: Problems with Kenwood TM-742A

: Fool me once, shame on you, Fool me twice, shame on me. I'll bet that kenwood
: is going to lose some long time customers on this deal. Perhaps they'll learn
: from the mistake. I know that I have.

They lost me with the TH-26AT 2 meter H.T. I made the mistake of buying
one of those for my wife.

Mike, K0TER

Date: 23 Nov 1993 16:37:30 GMT
From: tymix.Tymnet.COM!drawson@uunet.uu.net
To: ham-equip@ucsd.edu

References <2cqh3t\$988@nntpd.lkg.dec.com>, <CGwq6n.JBo@alsys.com>,
<931122.81078.LMARRIN@delphi.com>
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73,
Dick n6cmj drawson@tymnet.com

End of Ham-Equip Digest V93 #112
